

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1134	(piezoelectric piezo piezo-electric (piezo adj electric)) adj actuator same printer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 19:45
L2	160	(piezoelectric piezo piezo-electric (piezo adj electric)) adj actuator same printer same mechanic\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 17:34
L4	16	(piezoelectric piezo piezo-electric (piezo adj electric)) adj actuator same printer and ((second two pair double dual duplex) near feed\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 17:35
L5	192	360/77.16.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 17:43
L7	1947	347/68.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 18:01
L8	246990	(piezoelectric piezo piezo-electric (piezo adj electric))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 19:45
L9	107	8 same ((two second pair dual couple) near feed\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 20:19

## EAST Search History

L10	3272	8 same (positive near3 negative)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 20:20
L12	97	8 same (positive near3 negative) near3 driv\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 20:21
L13	14	driver same (transistor npn pnp bipolar) same (advantag\$4 simplif\$4 improv\$5 help\$3 good better best) same phototransistor same led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:00
L14	33	driver same (advantag\$4 simplif\$4 improv\$5 help\$3 good better best) same phototransistor same led	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:00
L15	19	14 not 13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:04
L17	13	phototransistor same led same driv\$3 same (piezoelectric piezo piezo-electric (piezo adj electric))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:08
L18	1	phototransistor near3 driv\$3 same (piezoelectric piezo piezo-electric (piezo adj electric))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:08

## EAST Search History

L19	18	phototransistor same driv\$3 near3 (piezoelectric piezo piezo-electric (piezo adj electric))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:09
L20	2	wo adj "9426524"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:19
L21	1	wo adj "9426524" and piezo	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:22
L22	2	wo adj "9426524" and (piezo piezoelectric piezo-electric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:47
L23	2	wo adj "9426524" and (piezo piezoelectric piezo-electric) and control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 21:47
L25	1	"4551735".pn. and phototransistor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 22:42
S1	1568	(watanabe near kazuhisa) (enomoto near satoshi) (enomoto near hiroshi) (kanai near shigeru) (takane near toshiaki)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 02:31

## EAST Search History

S2	18	S1 and piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 02:32
S3	18	S1 and (piezoelectric piezo-electric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 02:32
S4	154	361/207.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 03:16
S5	1217	control same stack same piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 03:51
S6	27	control same stack same piezoelectric same bimorph	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 03:59
S7	690	piezoelectric same (second adj driv\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 04:01
S8	38	piezoelectric same (second near driv\$3 near voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 05:22

## EAST Search History

S9	2	piezoelectric same (plurality multi multiple) near3 phototransistors	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 05:25
S10	3	piezoelectric same (plurality plural multi multiple) near5 phototransistors	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 05:26
S11	3	piezoelectric same (plurality plural multi multiple) near7 phototransistors	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 05:26
S12	11	piezoelectric same (plurality plural multi multiple) same phototransistors	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 05:28
S13	1	replace near3 transistor near3 phototransistor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 05:31
S14	4	replace near5 transistor near5 phototransistor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 05:32
S15	21	(advantag\$4 simplif\$4 improv\$5 help\$3 good better best) near5 transistor near5 phototransistor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 05:33

## EAST Search History

S16	1	printer near driver near piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/29 06:16
S17	2	"6369995".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 08:50